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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	ROLFE C. ANDERSON et al.	Examiner:	W. Beisner
Serial No:	09/751,658	Art Unit:	1744
Filed:	December 31, 2000		
For:	INTEGRATED NUCLEIC ACID DIAGNOSTIC DEVICE		

20/C

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

RESPONSE

In response to the Communication dated July 23, 2002, Applicants amend the above-captioned application as follows:

In the Claims:

Cancel D1 90. (Twice Amended) A method of repeatedly measuring a known volume of a fluid in a miniature fluidic system, comprising:

providing a microfabricated device having at least first and second chambers connected by at least one channel disposed therein, wherein said at least first and second chambers are in fluid connection, each comprise at least one vent port, and wherein at least one of said chambers is a volumetric chamber having a known volume;

providing a diaphragm valve for displacing fluid;

filling said volumetric chamber with said fluid to create a first aliquot of said fluid;

transporting said first aliquot of said fluid to said at least second chamber; and

repeating said filling and transporting steps by applying pressure from an external source.

C1

C2 Cancel D1 92. (Amended) A method of measuring and processing a known volume of a fluid in a miniature fluidic system for integrated nucleic acid analysis, comprising the acts of: